

7 ports full gigabit industrial PoE switch(with PoE power input)

4 *10/100/1000M PoE downlink ports, 1*10/100/1000M PD port and 2*1000M SFP ports

User manual

V 1.0

Overview

It is a 7-port, full gigabit industrial PoE switch that supports up to 4 *10/100/1000M PoE downlink ports, 1*10/100/1000M PD port and 2*1000M SFP ports. 4*10/100/1000M ports support PoE+, conforming to IEEE 802.3af/at standard.

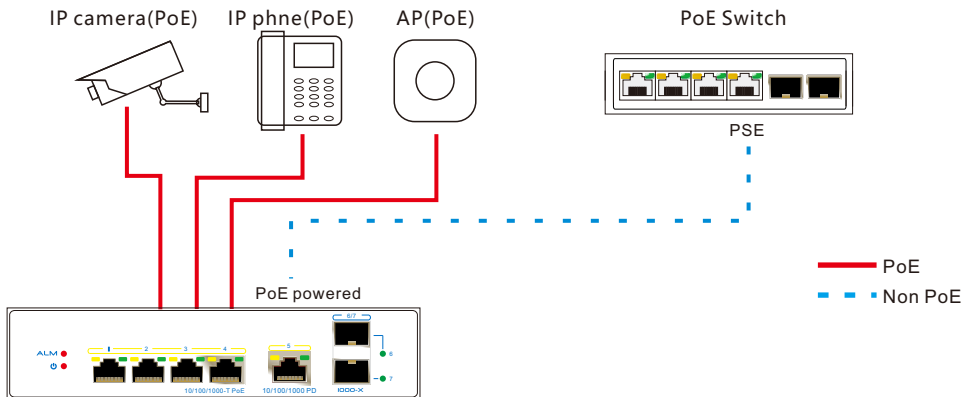
It provides two modes, Default and VLAN, adapt to various complex environments. At the same time, supports PoE Auto-check function, which is specially designed to solve the problems of equipment frozen. It can automatically detect the frozen PD equipment and restart the ports' output of PSE, and restart the PD device. It greatly reduces the maintenance difficulty of engineering.

It has the characteristics of reliable work, strong and durable, high performance and so on. It can be used in security network video monitoring system, network engineering and other occasions.

Feature

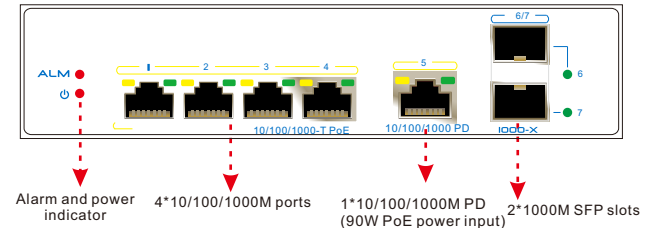
- With 4*10/100/1000M PoE downlink ports, 1*10/100/1000M uplink ports and 2*1000M SFP ports;
- Provides two modes of Default and VLAN to adapt to various complex environments;
- Supports PoE Auto-check function, which is specially designed to solve the problems of equipment frozen. It can automatically detect the frozen PD equipment and restart the ports' output of PSE, and restart the PD device. It greatly reduces the maintenance difficulty of engineering;
- Supports relay alarm for power off, network broken, PoE off;
- 6KV surge protection, 8KV contact/15KV air ESD protection;
- Supports working temperature -40℃~75℃.

Application



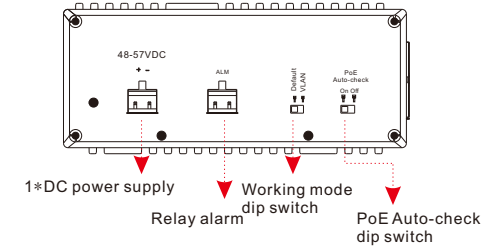
Panel diagram

● Front panel



Attention 1: This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

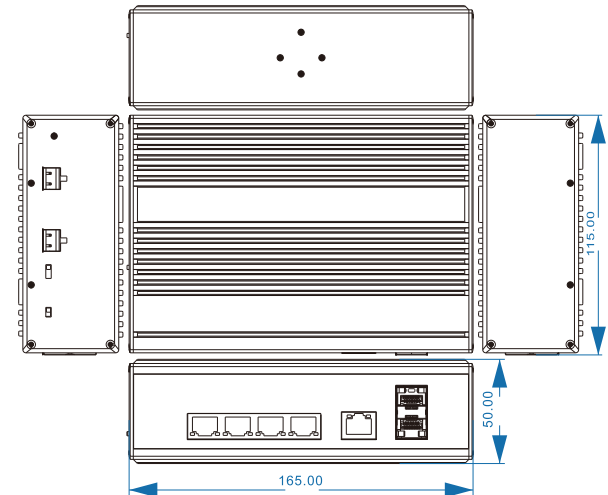
● Left panel



Attention 2:
Default, VLAN mode: It can be selected by dip switch.
Default mode: normal switch mode.
VLAN: ports 1 ~ 4 are isolated from each other and can only communicate with the uplink port; restrain the network storm; turn off the flow control.

Attention 3:
POE Auto-check: PoE Auto-check function is open/ closed by dip switch.
The switch always auto detect 1~4 ports whether frozen, if some ports are frozen, the switch will restart them, but other ports are unaffected.

Structure dimension



Package list

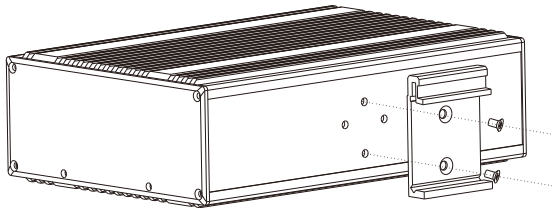
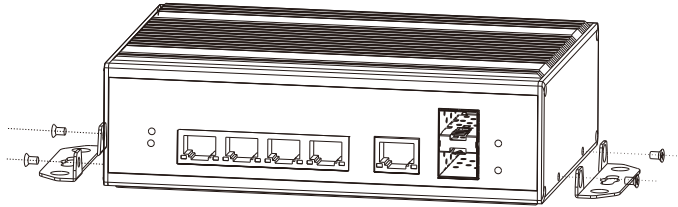
Please check the following items before installation, if any missing, please contact your local dealer.

Switch	1 pc
Power adaptor+AC cable	1 set (Optional)
Wall hanger + Din-rail hanger + screw	1 set
User manual	1 pc

Installation

● Installation on the wall

- 1) Use the screws to fix the hanger, follow the figure below;
- 2) Drill holes on a strong position of wall and then drive the rubber plug into the hole;
- 3) Drive these screws into the holes.



● Installation step

Please follow the following steps (take video monitoring for example).

- 1) Please turn off the signal source and the device's power, installation with power on may damage the device;
- 2) Use 4 pcs UTP cables to connect 4 pcs IP cameras with the product's 1~4 RJ45 Ethernet ports;
- 3) Connect switch with power adapter;
- 4) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
- 5) Make sure every network device has power supply and work normally.

Specification

Item		
Power	Power supply	Powered by PD or power adaptor
	Range of voltage	DC48V~57V
	Consumption	Self-consumption<5W
Ethernet ports parameter	Ethernet ports parameter	Ports 1~4: 10/100/1000Base-T 30W PoE; Ports 5: 10/100/1000Base-T RJ45 90W PoE power input; Ports 6~7: 1000Base-X SFP slots.
	PoE Auto-check	If detect the frozen PD device, restart it
	Working mode	Default mode: normal switch mode. VLAN mode: ports 1 ~ 4 are isolated from each other and can only communicate with the upper port restrain the network storm; turn off the flow control.
	Cable and distance	Use cat5e/6, 100m max.
Switch parameter	Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
	Switch fabric	14Gbps
	Throughput	10.42Mpps
	Buffer	4M
	MAC address table	8K
Indicator	Power	1 *red
	Uplink 5~7	Green LEDs indicate Link/Act
	Downlink 1~4	On RJ45 green LEDs indicate Link/Act Yellow LEDs indicate PoE
Protection	Surge	6KV, standard: IEC61000-4-5
	ESD	8KV: contact / 15KV: air, standard: IEC61000-4-2
Environment	Working temperature	-40°C~75°C
	Storage temperature	-40°C~85°C
	Humidity	0~95%(No condensation)
Structure	Dimension(L×W×H)	165mm×115mm×50mm
	Material	Aluminum
	Colour	Black
	Net-weight	500g